

AMENDMENTS

In the Claims:

1. (currently amended) A method of transferring a data element from a device to a handheld computer, the method comprising:

~~receiving from a device a device-enabled based data element at a [[an]] intelligent docking station enabled having a co-processor;~~

~~the device coupled to the docking station, the device capable of generating a device based data element and capable of sending the device based data element to a low level device driver resident in a docking station, the low level driver also capable of communicating with the co-processor;~~

~~the co-processor being operated by a second operating system, the second operating system having a top-level driver capable of capable of turning a device based data element into a bus-enabled data element as a driver conversion, managed by a communication driver; and~~

placing the bus-enabled data element on a handheld compatible bus.

2. (Original) The method of claim 1 further comprising receiving the bus-enabled data element, and converting the bus-enabled data element into a handheld data element.

3. (Original) The method of claim 1 further comprising detecting a docking condition, and activating a communication driver in response to the docking condition.

4. (Original) The method of claim 1 wherein the device is a keyboard.

5. (Original) The method of claim 1 wherein the device is a network interface card.
6. (Original) The method of claim 1 wherein the act of receiving receives the device data element at a low-level device driver.
7. (Original) The method of claim 6 further comprising transferring the data element from the low-level device driver to a top-level device driver.
8. (Original) The method of claim 1 wherein placing comprises using a communication driver to control the placement of the data element on the bus.
9. (Original) The method of claim 1 further comprising the act of receiving the bus-enabled data element at a handheld device.
10. (Original) The method of claim 9 further comprising transferring the bus-enabled data element to a communication driver capable of converting the bus-enabled data element into a handheld-enabled data element.
11. (Original) The method of claim 10 further comprising sending the handheld enabled data element to a operating system within the handheld.

12. A method of transferring a data element from a handheld computer to a device, the method comprising:

converting a handheld-enabled data element into a bus-enabled data element;

~~receiving from a device a device-enabled based data element at a [[an]] intelligent docking station enabled having a co-processor;~~

~~the device coupled to the docking station, the device capable of generating a device based data element and capable of sending the device based data element to a low level device driver resident in a docking station, the low level driver also capable of communicating with the co-processor; and~~

~~the co-processor being operated by a second operating system, the second operating system having a top-level driver capable of capable of turning a device based data element into a bus-enabled data element as a driver conversion, managed by a communication driver; and~~

placing the bus-enabled data element on a handheld compatible bus.

13. (Original) The method of claim 12 further comprising placing the device-enabled data element on an output.

14. (Original) The method of claim 12 wherein the device is a monitor.

15. (Original) The method of claim 12 further comprising employing a top-level device driver to send the device enabled data element to the device.

16. (Original) The method of claim 12 wherein the act of converting uses a communication driver located in the handheld computer.

17. (Original) A method of transforming a data packet from a handheld computer packet type to a device packet type, the method comprising:

detecting an input packet having a packet identifier (ID), the input packet being a packet that is received by an intelligent docking station from a handheld device;

retrieving the packet ID from the input packet; and

dispatching the input packet to a device driver enabled based on the packet ID, the device driver capable of converting the input packet from a handheld computer packet type to a device packet type.

18. (Original) The method of claim 17 further comprising detecting a connect condition.

19. (Original) The method of claim 17 wherein dispatching sends the output packet to a device.

20. (Original) The method of claim 17 wherein dispatching employs a co-processor to convert the input packet from a handheld computer packet type to a device packet type.